

IEEE-International Conference on Advanced Materials for Sustainable Clean Energy and Healthcare Technologies 2026 (AMSCEHT-2026)
(Conference with IEEE Record Number #69651)
11-13 September 2026
(Hybrid Mode)

Special Session on

Special Session 04: AI-Driven Computational Modelling, Digital Twins, and Intelligent Simulation Frameworks for Sustainable Energy and Healthcare Systems

Organized & Co-Chaired by:



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CALL FOR PAPERS

The Special Session focuses on AI-driven computational modelling, digital twins, and intelligent simulation frameworks that advance sustainable energy and healthcare systems. It invites contributions on predictive analytics, virtual prototyping, optimization, and data-driven decision models enabling efficiency, adaptability, and intelligent operations—without involving materials science. Researchers and professionals are encouraged to submit innovative, algorithmic, and model-centric solutions aligned with these themes.

TOPICS OF INTEREST, BUT NOT LIMITED TO:

This special session invites original research papers, case studies, and review articles on, but not limited to, the following topics:

1. Digital Twin Modelling for Sustainable Energy and Healthcare Systems
2. AI-Based Predictive Analytics for Energy and Healthcare Applications
3. Reinforcement Learning for Smart Energy–Health Cyber-Physical Systems
4. Simulation-Driven Optimization for Renewable Energy and Healthcare Operations
5. Deep Learning Forecasting Models for Energy Generation and Clinical Outcomes.

IMPORTANT DATES:

Paper submission opens: November 1, 2025

Paper submission closes: June 10, 2026

Paper acceptance notification: July 10, 2026

Registration deadline: July 20, 2026

Last Date of Camera-ready paper submission: August 10, 2026

Conference Date: 11-13 September 2026

(Note: Authors can register only after their papers have been accepted)

The detailed information can be found here:

Conference URL: <https://amsceht2026.opju.ac.in/>

Paper Submission Link: <https://cmt3.research.microsoft.com/AMSCEHT2026>

(Please Submit Under Special Session 04: AI-Driven Computational Modelling, Digital Twins, and Intelligent Simulation Frameworks for Sustainable Energy and Healthcare Systems).

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